Aluminium rolling grilles –
stylish protection for your property
An ideal solution for shops and boutiques, shopping malls and stores, offices and banks, cafés and restaurants, underground garages and parking facilities.
ALUTECH aluminium rolling grilles

Safety
The ease in which a rolling grille can be operated allows quick opening to evacuate people in case of emergency. This is an undeniable advantage when compared to fixed grilles.

Conformity to standards
ALUTECH rolling grilles conform to the quality and security requirements of the European standard EN 13659 (confirmed by the TÜV-certificate).

High level of burglar resistance
ALUTECH rolling grilles are certified to classes RC2 and RC3 of burglar resistance according to EN1627.

24 hours visibility of shopfront windows
Shopfront windows are visible even when the shops are closed, thus making it possible for potential customers to see the goods on display 24/7.

Lightweight and durable
Compared to grilles made of steel, aluminium rolling grilles are resistant to corrosion, rain and temperature fluctuations. They are solid and secure, environmentally friendly and lightweight.

Design
The stylish appearance of the rolling grilles harmoniously suits any building architecture, the interior of modern shopping malls, supermarkets and small shops.
Aluminium rolling grilles

Rolling grilles are made of extruded aluminium profiles. Max. grille dimensions: width — 4.5 m, area — 13.5 m²

Grille-work, reinforcer and single-skin profiles may be used in combination. Micro perforation of the AEG 56/P rolling grille prevents damage to the glazed shopfront windows and penetration of foreign objects inside.

High anti-burglar protection: the AEG 56 rolling grilles conform to resistance class RC 2 according to EN 1627; the AEG 56/P rolling grilles – resistance class RC 3 according to EN 1627.

Protection against unauthorised lifting of the grille while in its down position is provided by a special retainer profile.

Light transmission of the AEG 56 grille – up to 42%, AEG 56/P – up to 29%.
AEG56 rolling grilles

Rolling grilles are made of extruded aluminium profiles. Max. grille dimensions: width — 4,5 m, area — 13,5m²

- AEG56
  grille-work profile

- AEG56/P
  perforated profile

- AER56
  single-skin profile

- AEG30/S
  reinforcer profile

- High anti-burglar protection: the AEG56 rolling grilles conform to resistance class RC2 according to EN1627; the AEG56/P rolling grilles – resistance class RC3 according to EN1627.

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- Grille-work, reinforcer and single-skin profiles may be used in combination.

- Micro perforation of the AEG56/P rolling grille prevents damage to the glazed shopfront windows and penetration of foreign objects inside.
Aluminium rolling grilles

AEG 84 rolling grilles

Rolling grilles are made of extruded aluminium profiles.

Max. grille dimensions: width — 7,0 m, area — 21,0 m²

Grille-work profile
Single-skin profile
Reinforcer profile

High anti-burglar protection.

Light transmission of the AEG 84 grille — up to 47%.

Max. light transmission of the AEG 84 grille compared to the AEG 56 and AEG 56/P rolling grilles — up to 47%.

Protection against unauthorised lifting of the grille while in its down position is provided by a special retainer profile.

Grille-work, reinforcer and single-skin profiles may be used in combination.
AEG84 rolling grilles

Rolling grilles are made of extruded aluminium profiles. Max. grille dimensions: width — 7,0 m, area — 21,0 m²

- High anti-burglar protection.
- Light transmission of the AEG84 grille — up to 47%.
- Max. light transmission of the AEG84 grille as compared to the AEG56 and AEG56/P rolling grilles - up to 47%.
- Protection against unauthorised lifting of the grille while in its down position is provided by a special retainer profile.
- Grille-work, reinforcer and single-skin profiles may be used in combination.
## Variants of profile combination

<table>
<thead>
<tr>
<th>Combinations for the AEG 56 grille</th>
<th>Max. opening width, m</th>
<th>Max. opening area, m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEG 56 (AEG 56/P) + AEG 30/S</td>
<td>13,5</td>
<td>5,5</td>
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<tr>
<td></td>
<td>17,0</td>
<td>7,0</td>
</tr>
<tr>
<td></td>
<td>20,5</td>
<td>9,5</td>
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<td></td>
<td>24,0</td>
<td>12,0</td>
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</table>

<table>
<thead>
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<th>Max. opening area, m²</th>
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</thead>
<tbody>
<tr>
<td>AEG 84 + AEG 45/S</td>
<td>16,5</td>
<td>6,5</td>
</tr>
<tr>
<td></td>
<td>18,0</td>
<td>7,5</td>
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<tr>
<td></td>
<td>20,5</td>
<td>9,0</td>
</tr>
<tr>
<td></td>
<td>24,0</td>
<td>11,5</td>
</tr>
</tbody>
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## Aluminium rolling grilles

- AEG 84
- AEG 56
Variants of profile combination

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<tbody>
<tr>
<td></td>
<td>3,0</td>
<td>3,5</td>
</tr>
<tr>
<td>AEG56</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>3 AEG56 (AEG56/P) + 1 AEG30/S</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>2 AEG56 (AEG56/P) + 1 AEG30/S</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>1 AEG56 (AEG56/P) + 1 AEG30/S</td>
<td>+</td>
<td>+</td>
</tr>
</tbody>
</table>

<table>
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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5,5</td>
<td>6,0</td>
</tr>
<tr>
<td>AEG84</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>3 AEG84 + 1 AEG45/S</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>2 AEG84 + 1 AEG45/S</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>1 AEG84 + 1 AEG45/S</td>
<td>+</td>
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</table>
TWIN-SAFE photocells
Installed as an additional means of safety for detecting obstacles during operation of the rolling grille curtain and preventing objects being drawn into the shutter box.

More security
Automatic operation provides the most convenient control of rolling grilles – just press the remote control button or use the switch to open/close the grille. For your comfort and security, the reliability and safety of the grille in daily operation is ensured by safety devices.

Safety brake
A safety brake prevents dropping of the curtain in case of electric motor failure.

Safety edge system
If an obstruction is detected in the opening, and it contacts with the edge of the grille curtain, the curtain is stopped.

Hand operation for emergency opening
This allows manual opening of the grille in case of emergency, like a power or electric motor failure.

Movable carriages
Prolong the operating life of rolling grilles by ensuring smooth and secure movement of the curtain along the guide rails, which reduces the load on the motor and the suspension system.

Aluminium rolling grilles
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1. **Movable carriages**
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2. **Safety brake**
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3. **Hand operation for emergency opening**
   This allows manual opening of the grille in case of emergency, like a power or electric motor failure.

4. **Safety edge system**
   If an obstruction is detected in the opening, and it contacts with the edge of the grille curtain, the curtain is stopped.

5. **TWIN-SAFE photocells**
   Installed as an additional means of safety for detecting obstacles during operation of the rolling grille curtain and preventing objects being drawn into the shutter box.
Wide colour range of AEG56 and AEG84 rolling grilles — 17 gloss colours, 6 shagreen colours, 2 colours of anodized coating

The ALUTECH Group of companies is one of the leading European manufacturers of profiles and components for roller shutter systems, aluminium profile systems and sectional doors. The ALUTECH Group of companies unites 5 manufacturing enterprises and more than 20 sales companies in Russia, Belarus, Ukraine and the Czech Republic. ALUTECH products are represented in more than 65 countries around the world, such as the USA, Germany, Great Britain, France, Belgium, the Netherlands, the Czech Republic and Poland.